

**THAT WHICH IS CLAIMED IS:**

1. A pulley type constant velocity joint,  
comprising:

first and second shafts for transmitting and  
receiving power therebetween;

5 first and second pulleys being fixedly  
attached to ends of said first and second shafts,  
respectively;

a wire wound around the circumferential  
grooves of said first and second pulleys to allow said  
10 first and second pulleys to be rotated with reference  
to the center of the first and second pulleys

first and second support frames for rotatably  
supporting each center of the first and second pulleys,  
both ends of which are rotatably connected to each  
15 other;

two rotating pins to rotatably connect with  
the first and second pulleys and the frames at the  
centers of the said first and second pulleys; and

two connecting pins for connecting the first  
20 and the second frames at their ends and for allowing  
the frames to rotate according to the rotation of the  
first and second shafts.

2. The pulley type constant velocity joint  
according to claim 1, wherein said wire is wound around  
the circumferential grooves of said first and second  
pulleys to allow said wire to cross itself.

3. The pulley type constant velocity joint  
according to claim 1, wherein said wire is made of  
metal.

4. The pulley type constant velocity joint

according to claim 1, wherein said wire is a single body.

5. The pulley type constant velocity joint according to claim 1, wherein said wire is fixedly attached to inner ends of said first and second shafts.

6. The pulley type constant velocity joint according to claim 1, wherein said first support frame supports both sides of said first pulley through one of the rotating pins.

7. The pulley type constant velocity joint according to claim 1, wherein said second support frame supports both sides of said second pulley through one of the rotating pins.

8. The pulley type constant velocity joint according to claim 1, wherein said connecting pins are each provided at both ends thereof with two holding portions.

9. The pulley type constant velocity joint according to claim 1, wherein said first and second shafts are symmetrically aligned with regard to a symmetric plane bisecting the first and second supporting frames.

10. A pulley type constant velocity joint, comprising:  
first and second shafts for transmitting and receiving power therebetween;  
5 first and second pulleys being fixedly attached to each end of said first and second shafts and symmetrically rotating with respect to each center

thereof as a first degree of freedom;

- a wire winding around the circumferential  
10 grooves of said first and second pulleys to  
symmetrically rotate said first and second pulleys with  
reference to each of the centers; and

- first and second support frames for rotatably  
supporting each center of the first and second pulleys  
15 and rotatably connecting both ends thereof as a second  
degree of freedom.

11. The pulley type constant velocity joint  
according to claim 10, the first and second support  
frames further comprise:

- two rotating pins for rotatably fixing the  
5 first and the second pulleys at the center; and  
two connecting pins for rotatably fixing both  
of their ends.

12. The pulley type constant velocity joint  
according to claim 10, wherein said wire is wound  
around the circumferential grooves of said first and  
second pulleys to allow said wire to cross itself.

13. The pulley type constant velocity joint  
according to claim 10, wherein said wire is fixedly  
attached to inner ends of said first and second shafts.

14. A pulley type constant velocity joint,  
comprising:

- first and second shafts;  
a wire to make the first and second shafts  
5 have a first degree of freedom moving symmetrically  
with respect to the axis of connecting pins; and  
first and second support frames to make the  
first and second shafts have a second degree of freedom

and transmit and receive power therebetween.

15. The pulley type constant velocity joint according to claim 14, wherein said first and second support frames comprise:

first and second pulleys for being wound by  
5 the wire;

two rotating pins for fixing the center of the first and second pulleys to the first and second support frames; and

two connecting pins for rotatably fixing both  
10 the ends of the first and second support frames.

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